Record Group 104. Entry 28.

Assayers Book of Figures.

Digitized October 13, 2023, Philadelphia, Pennsylvania.
Box 7, Book 12, for 1864.

Note: Lightly printed and written text may be difficult to read in scanned version. Hidden words might be visible on the original pages. Larger (18+ inch) documents are scanned in multiple parts. Correspondence organization is presented as stored and is not always in chronological order.

RG 104 RECORDS OF THE BUREAU OF THE MINT

Records of the U.S. Mint at Philadelphia
Deposit Record of the Assays

ASSAY WORKBOOK, 1795-1905

Box 07 NC-152 Entry 28

Jany 11th 1864 Specimen of
Nickel from Wharton by Dereth

2000 ## Selen 1h0 trace

2385 " 47 - 52 iron

2335 87.98 Ni Sulphur, 41

2395 8.00 Li

2330 1.73 iron

97.71

Jany 14 2 Boxes of Cubical
Nickel N°. 18.19 Fleitman

2598 Li 1h

2540 96.72 40.42

2 fil

1.00 Iron

2.00 Copper

99.92

2548

2520

Jany 28 1864 two boxes
of Nickel No 91 & 92 Evans &c

2590

2528 95. 52.60

2550

2498 95.7 44.22

Feb 1st 1864 two boxes of
Nickel Robbins 95.96

2540

2498 95.22 34.45

Feb 6 two boxes of Nickel
Robbins 97.98

2555 fell in broke

2470 94.9 38.21

Feb 6 one box of Nickel
from J. Wharton

2392 Silica 162

2335 87.20 Ni 42.76

8.60 Li

2.60 Iron

Reassay of Robbins 97 & 98

2572

2518 96.3 44.26

Feb 17 three boxes of Cubical Nickel Nos 20. 21. 22 Fleitman.

2585 Contain Cob

2510 95.85 40-33

2620

2530 96.486 42.37

March 7th 1864 two boxes of Nickel Nos 2.3 from Wharton

2432 Li 148
149

2360 89.0 44.53

2460

2378 89.5 48.55

Mean 89.25 Ni
7.30 Li
1.80
98.3

May 17 three boxes of Nickel from J. Wharton No 5

2395 — Li 152 — 155

2356 — 88.85 — 40.56 — 7.5

2410 — 1.96 — 98.3

2352 — 89.0 — 30. 57

May 18 No 4 100 lbs of Nickel by J. Wharton Li 164

2398

2348 — 88.2 — 47. 66 — 8.1 — 2.0 — 98.3

March 24 1864 three boxes of Nickel from J. Wharton (No 4)

2244 — 88.35 — Silex 280 — C. B. H — 110 — 275

2242 — 2185 — 81.9 — 37 = 66

The same fresh sample
taken out by T.P

2338 37 58 Silex 208

2287 86.25

2247 C.B.H S. 275

2193 81.92 S. 40 - 7 Iron

Mar 29 two boxes of Nickel
Nos 101 & 102 from Evans & Askew
1st Sample Silex 20

2555

2495 95.85 35 - 24

2nd Sample of the above
2520 Silex 24

2477 95.7 20 - 24

April 2 one box of Iron 210 .88 lb
Nickel from Flintoman & Vien

2707

2633 49.9 35.60

N°6 from J. Wharton melted

2588 Car 20 Si 50

2520 95.06 37.60

Loss by Melting 68 lbs yields 52 loss 13½ per
Original per cent (82.3) Ni 95 Car 2.5 Si 1.0 Cu 2.1 100.6

N°7 from J Wharton Melted

2581 Si 32

2539 95 896 37.80

Loss in melting 40 lbs yields 35½ lbs
Loss 11% per ct Original 88.1.

95.9 Ni 1.6 silicon Car 1, 2.7 Iron 100.2

N°8 one box from J. Wharton

2470 Si 132

2407 89.36 Ag 89.5 67.60

6.5
3.3
99.2

64 + 32

April 12th 1864 two boxes of Nickel
from Evans & Haskell N.Y.

2562		Si 12
2487	95.5	36.23

April 25th three boxes of Nickel
from Fleitmann Wiss N.J. 23. 24. 25
Cubical

2626		
2540	98.2	25.19
2625		" "
2560	98.76	23.27
2605		
2586	98.49	24.23
	Refit 98.6	

Oxide of Copper from
Washington
N.° Black oxide or protoxide
50 Grammes reduced with
Charcoal & Car Soda
Gave a button weighing.

The same 2 Grammes dissolved
in Nitro muriatic acid
precipitated with potassa
2083 first alter
2100 82.75
Iron 13
Silex 13

N.° 2 Red oxide or Sub
oxide of Copper
7 Grammes dissolved in
Nitro muriatic acid precipi-
tated with potash

firs determilain 2077
from the Potash Wate 7
by Sulphide of Ammo
after washing ignited wt
2095 moistened with Nitric
acid and ignited gave
2110. long heating 2124
Iron & Silex 27 83.63

N°1 2 Gr dissolved filter burned 37
1st Oxide of Copper 2025
2 Silex 15 1995
Iron 12 2115
83.31

N°2 2 Grams filter burned 26
1 oxide of Copper 2080
Nitric acid 2142
Nitric long heat

First 2075-

N° 2 after Washing 2005-

after Acid 2110

2115-

long heating 2125-

Silex 19

14 83.47

N° 2

after Washing 2095-

after Acid 2130

Silex 18

14 83.7

N° 1 2060

after Washing 2000

after Acid long

heating 2130 82.87

estimation

Iron 1 Si 27

Melissa Nicker for the
Mellon & Refiner

3000 Silas 122 41

3150

3087 Grant Giles
132

April 1st 1865

Sample from a large lot of Nickel from Camden (Mr. Charlton.) Sifted to separate course from fine

course 54.14 fine 64.57

2 Grm contains 143 M Silex

2434	Silex	71	
2376	Iron	55	

88.5 per ct

Same	2409	Silex	50
Silex 142	2350	Iron	38

89 per ct

Same	2385	Si	50
Silex 140	2340	Fe	42

88.4 per ct

From the Silex in the first assay being so much larger it is probable that Silex must have got in accidentally

May 20 1845

Lot of Nickel from J. Wharton

		Si 111
2615		110
2528	92.78	60
		170

Stock from oil well

Allumieum		368
		5.37
		1104
Bronze	3-2	1104
d.	4:1	1840
		19614
		9.8 per ct

the Allumieum B at the first passage of the roll, became so rigid cracked to such an extent that it was useless to continue the test of the bar very great Result the same also roller very carefully examined after the three passage rolled I commenced until it was brought to the thickness of the

new bronze cent being annealed seven times in all

The Bronze for the New Cent was rolled to the proper thickness for the Coin without annealing.

3 specimins of Sulphides
of Copper from Azorina
Almira No. 1

20.000 Y&S
1961

No. 2 .171

No. 3 Crome Point- 12½

S. R. S ores from Nevada
No. 1 Sulphides of copper

Assay of Gold bearing Quarts from the Hon Stephen Miller Minnesota

Quarts with copper pyrites 100 Grammes yields 15/2 thousand ths of fine metal 11/4 ounces Silver 1575 grains of fine Silver per ton $4.42 4/2 ## 595 grains Gold $25.63 per ton

25.63
4.42
30.05

There is but little doubt that the metal is principally contained in the pyrites which was but a small part of the Specimen

Sept 1865

Schl's 18 - 1865

Copper pyrites by H Lindermann

10 Gram yields 7 m Silver
2 Gold

Gold @ 120.50

Silver 27.80 Silver 148.50
148.30

4800 m lost by roasting 930 m.

1000 m dissolved in Nitro Muriatic

Silver 75

ex cup 3755

" Iron 590

One Gramme

W. Bulters Specimen of Iron

Brown iron ore Hydrous

Peroxide of iron

Selected portion 815 oxide

15 Silex

Manganese	42
	872
Loy water	128
it lost by heating 130th	1000

Mean of the Specimen 2000 Ath

62.5 1250 oxide

Silex	20.0	400
Manganese	7.5	150
	90.0	1800
Water	10.0	200
		2000
		1000

The iron may be considered the cement in Conglomerate quarts

Oct 2d 1865

Quarts from the Hon Stephen Miller Minnesota

Quarts contain a little Iron pyrites

100. Grs gave 10 lbs or 5 ℔

Gold 6 lbs or 3 ℔ Silver 2

2d 12 Fine metal or 6 ℔ 3.6 Gold

2 4/10 Silver

Gold 21.70

Silver say 1 00

22 70

Lead by C R Gleason

San Claire Wis-consin

No 1 Lead containing a little Copper 5 G gave 3/4 oz of Silver

3 oz per ton

No 2 lead imperfect reduction with Cop. the least trace of Silver

October 21st Quarts containing Gold from Panicle by Director

Sample N°4

100 Grs grain 34

100 " " 15/49 Gold 38 - 19 ##

2.775 fine G 3.083 Gold

$ ~~57.95~~ 57.35

N°5 100 grain Gun ~~8~~ 6 1/2 3 1/4

.947 1.052

$ 19.56

N°6 100 grain Gun 12 - 6 ## Gold 5

1.458 # G - 1.62 Gold

$ 30.13

October 28

Quartz Pyrites (Copper) with Gold from Green Co Pa said to be from a well boring for oil upwards of 700 ft deep

.5 to grams of the above after roasting.

723½ 361.7

721 360½

grains — 1½ / 367 AH at 854 fine

Galena by W. Adams 6

50 Grams selected fragments gave 38 lead 59 - 28½ M of Silver but a trace of gold

50 Gr 38 lead 100 Silver 50 M

Nov 1st 1865

Quarts with Iron (Ox) from Colorado Weight 31.30 g troy

Crushed washed the first washings which was suspended sand until it was subjected the excess poured off the paste dried this was principally ox of iron the Silicious sand washed collected with Mercury — gave 838 ## of gold 12.94 Grains

835

Washed 2d time Gave 173 ## Gram 2.68

100 Grains of tailings No 1 by Panning gave 28½ 14½ In of Gold 16 8

24
49½ 17 ##

Tailings No 2 or pasty like from 100 Grs gave 57 - 28½ In Gold

Fine Gold 25½ - 12.71

Specimen by W. Corinth
12 Grms crushed boiled
with nitric acid the
insoluable portion collected
on a filter fluxed as usual
with Acetate of lead the
lead worked on a cupel
gave 43 Mg of G & Silver. Gold 16
to the Solution of the above
Muriatic acid added formed
a white precipitate (Chloride
of Silver) collected on a filter
washed dried & reduced with
lead & soda gave a button of
silver 152½ Mg 27 from the above
makes 179½ Mg in 12 grammes
of the ore The balance of the
Specimen crushed fa humid
assay which gave 10 Ms or one
per ct

Nov 10th 1865 Specimen of
Silicious stone from Reese
river near Austin Nevada
by L Braddock
20 grammes gave ½ Pt
½ Gold

Specimen of Quartz with
pyrites by Dr Griffith
100 Grms 4 ~~Pt~~ 1⅘ Pt 7 Gold
115 button of lead full size
5 – 2½ 2 7/10 1 15/100

Godfrey Gordon 10 15 grammes
Sulphide of iron dissolved
the the iron out with Nitric
acid reduced with lead
12 grs Acetate of lead button of lead true of silver gold
so small not more than the 40 of a ~~Pt~~

Specimen by the Director

No 1 White quartz from Kemp River b- 3 lbs

200 Grms @ 7½ ... 3.75

No 2 Black color from Gilbert River Carolina

100 8 lbs - 4 lbs Gold 6 lbs - 3 fine G

100 b. 3 Gold 2 1 fine Gold

Stephen Miller Esq Minnesota

85.10 Troy

100 - 2½ lbs 1¼ lbs fine Gold 8/10 - 4/10

4. Specimens of rock from J. Cook
1st silver lead, two pieces ferruginous quartz or oxide of iron the other quartz with a little iron

50 Gms in 30 Acetate of lead yields nothing

N: 2 Ophir Lead
oxide of iron
7/10 Nothing

N: 3 Lizzie Clark
Lead ore
50 grs — 10 1/2 Ag

Specimen N 4 May Flower
Quartz with pyrites
50 Grs 5.2 Lbs 2.6 G. 1.4 Silver

N°5- Black Tiger
2 Specimens N°1 Iron &
Cop pyrites in quartz
N° Ferruginous quartz
1.6 Au 15/100 Gold

N°6 Golden Chain decom
posed rock perhaps feldspar
with pyrites.
1/10 Au 3/10 Au Gold

Borings from a Well in
Green Co Pa washed from
130 g the residue 10.50 Grams
4 grains gave 15/100 Au 5/10 grs 2.2

Dr Griffith Pyrites with quartz original weight
~~50~~ 9 oz lost by roasting
1.20

50 grms ~~244.0 ℔~~ 868÷
100 " 592-

℔ 2941 lost by Roasting 1 3/3

392
2549

Wm L. Banning -
Minnesota Quartz with
~~a~~ little subphide of copper
1st assay 50 - ¼ - ⅛ ℔

2d assay - 50 Grs ¼ ⅛ M

L. W. Cole Nov 24th crushed rock from Maryland

100 1 4/10 — 7/10 III 45/100 Gold twice

$2.70 per ton

Rept

Jacob Snider

N:1 Smiths cellular quartz

50 Grs 303 lbs — 157½ from Metal

68.3 341

117.4

N:2 Clara Lode Decomposed rock with ferruginous quartz

50 Gr 24½ Gold 1½ III

3

21½ Silver 10¾

N:3 Galena Clear Creek county

50 49¼ lbs 324¾ III Gold 1.4 lbs 7/10 III

No 4 Yellow quartz Scott Lode
Clear creek Co
40 Grs — 152½ lbs 76 ℔
57% Gold 28.7 ℔
47.3
No 5 Cellular quartz Scott Lode
Same Co
28 Grms 59 Gr assy 48.3 lbs 24.15

Quartz from Maryland supposed
(Dr Griffiths) Lot No 1 called M. M. Co
Mine no 1 composed of several
pieces rose quartz with greenish
veins (with Copper pyrites.
one small piece Iron pyrites
in white quartz milk entirely destroyed
from the others was assayed
alone from the others same as
left by Dr Griffith which assayed
$2550 per ton 10 grms gave 46¾ ℔ 98½ lbs
assayed 38.6 ℔ 82.7 lbs next page

100 Grms 2 ℔ fine Metal

2.2 ℔ 1 ℔ Gold

No 2

100 Grms 1/2 ℔ fine gold

Slate with pyrites from Tennessee

50 Gram Rolling ——

10 gram washed gave 103.5

tailings smelted 11.5

To 3.5 assayed 88.7 fine

Small bullion 17½ from washing

8.7
9 7/4
4 8.7
3 8.16
87.3 on 20 Grms

Salt lick run ad Co
New Salem Fayette Pa
Iron pyrites no value

Merrittstown Fayette Co P.

Iron pyrites as above

S. Snider Dec. 6th 1865

1st Rob Roy

20 Grain lbs 38 fine metal 22½ Gold 11¾

Grs 39 78½ 45½ 22¾ fine 15.5 $354 fine Gold

2. T. 22 $4.57 Gr

50 Grms 39½ lbs 31 fine Gold

$3.40 31 8 T 12 15½ lbs $ 196.8

20 Grs 16½

James H Paine

Silver ore from the Macedon Ledge San Antonia Nevada

15 Grms 150 6 Grms 51
6 7 157
21 157 208 104 ##

No 2 Silver ore Caesar lode San Antonia Nevada quartz copper iron &c

20 Grms 552½ ths 284 ## 8 Grms 188 2 assay
8 15½ 94 94
28 568 378 ##

No 3 Silver ore Shakspear San Antonia Nevada Quartz little copper iron &c

30 Grms 663 ths 341½ ## 571
1/2 285½ 285½
30 683 626½ ##

No 4 Cicero same place &c

30 Grms 155
7
162 81 ##

No 5 Palestine same place
Quarty iron
30 Gps 57½ 29 ##

No 6 Silver ore Shaw & Curtis
Ledge San Antonia Mining
District Nye Co Nevada
Quarty vitrious ap
30 Gps 581 29 ##

Sample from Mr Morse.

Several specimens of Quartz
was shown by the Director brought
by Mr Millward
two copper pyrites the other
arsenical pyrites brought from
Maryland from the last
a small piece had been
broken off which was kept
for assay
10 Gramme was subjected
to nitric acid to decompose
the pyrites after collected on
a filter washed dried burned
fluxed with Carbonate of Soda
a little Borax weighed 2/10 th on solution
the gold collected would scarcely
affect the balance
again 8,550 Grs treated as above
the return so small

James M Sellers Dec 16/65.
Quartz with Copper
pyrites the richer portions
containing copper selected
roasted & crushed
100 Grms gave 1½ - .75 th
50 " " 1 - 2/10 th

100 Grm of the poorer

~~Payne~~ Payne Dec 18 1865
No 1 Ecora earthy mineral
with silex & carbonate of
Copper 10 Grs 1210 fine Silver

N: 2 Palistine Petroleum in
appearance 1 Grm 9 cm 16 MM
perhaps Chloride - - - - - - - -
20 Grms

Argentine District Clear
Creek Co Col.o Empire lode
50 Grms
5 Ht fine metal ½ MM Gold

Argentine District Clear C.r C
N.o 2 Boston lode
2½ Ht fine metal 1 Ht Gold

Arkansas Thomas Mc Lean

Galena

50 Grs 23 lbs 11½ Ozs trace Gold

$9.20

Copper Pyrites accompanying the galena free from precious Metals

No 1 Quartz trace of Pyrites from Minnesota.

100 lbs of fine metal

No 2 2 lbs 7 Ozs

No 3 2 lbs 1½

Gov Ramsey from
Minnesota by Director
Quartz ——— 3 fine Metal
2 Gold 1 Alt
$ 6.11 per ton

No. 1 Ferruginous &
J. Snider Cellular quartz
Chief lode.
411 Grms 51¼ Alt 34 M Gold

No 2 Girard lode Much the
same rather a conglomerate
40 Grms 64 M 29 Alt

3 Rocherter lode Quartz cellular
30 Gr 1170 Alt 8 ℔ 2½ fine 738.½

4 Bob Morris Lode

50 Gm Cellular quartz Hm

69 Hh 4 lb ½ fine Gold

5 Golden Gate

50 Gm 62½ Hh 2 7/5 H

h

Lead ore from Wis-consin

50 Gm 36 lead

1 Hh fine metal. ½ Gold

William G. Shute

Colorado Decomposed

ferruginous quartz cont. Hm

mica & Arsenic 20 Gm 15. 7½

5¼ 10½

4½

George Coryell Colorado

No. 1 Illinois Coal 120 ft.

20 yrs fine Metal 5 Gold

4 19 2

4 29 2

60 80 3½

2 Quincy Coal 20

Ferruginous Quartz — —

100 Gems

Silver 17 fine 3.75 Gold

3.7

13.3

70 Gems - Emery Brownfield

Union Coal

Slate from oil wells

No value

Wm G Shute Colorado

Ferruginous quartz with Arsenic

20 Grs	5 ½ M Gold	2 ½ Silver
"	5	2
"		"
"	16	3

Sept 8th 1866

No 1 Ferruginous Quartz
I X L Lode Gold 13 ℳ
32 Silver

No 2 Cellular quartz
Chrystal Castle
Gold 6 ½ M. ℳ
Silver 1 ½ M ℳ

No 3 Alexander Tunnel

Fine quartz — 14 Gold
21 Silver

S. E. Wootten Cresone

3 specimens Park Co Colorado

&

Ophir lode

Pyrites with copper

20 Grm 5 Gold
1 Silver

No 2 Harlan lode

Pyrites little Copper in quartz

20

5 Gold
2/2

Park lode

Pyrites in Arsenical iron

40 Grms 5/4 Gold
20/2

Per oxide of iron per the
Direction for Beshel Simpson
2 Grames after dissolving 5.52 Silex
the solution of iron divided
into to equal parts — —

oxide of iron 78 b

782 8 filter

774

Mr. Boalts Niche

2000

treated with Muriatic acid

Lon 240

S. L. Hodder Jany 1866
2 Specimens

Col E. P. Bland Jany 11th
1866 2 Specimens –

No 1 Quarty with Sulphides
of iron
100 Gms

10 Gold
3½

No 2 Sulphides of iron
free from quarty
Trace

Emma Rabbaugh Lode
Clear Cr Co Colorado T. Snider

Ferruginous quarty
40 Gms

25.8 Gold
65.5 Silver

No 2 Illinois Lode Summit
1.8 Gram

21½ Gold
189 Silver

Dec. 24th 1866 Oscar H Coggswell

Montana N. Cisters quartz lode

50 Grms .2 hrs 19 G. G. 9½

19

11

8

S 4

Ferrugenous quartz —

N. 2 Isabel Fer qutz decomposed

50 Gr. 2 hrs 1.2 " 6/10

1.2

8

4/10

N. 3 John Howe two pieces

Quartz with a little iron

100 Grs. 3.2 oz Gold

2 assays 4.2 " Sil

Big creek Reese River Co Nv.

Sulphide of Antimony

No 1 Coleman Galena

24 Grms

Go 3 Oz

S 3 6/10

2 Mountain Gem

Quartz with car Copper

20 Grms

1/10 Gold

2 Sil

3 William Penn

7 Grms Quartz with car Cop

G 1/2 M

S 3

Specimens from Fluvanna & Goochland Co Virginia

No 1 Quartz Per S.M. Sellers

100 Grms

Go 10 4

Sil 3

N:2 Ochreous earth
100 Grm Go 1½ Au

N:3 Black Ferruginous
Quartz 50 Grm twice ¾
J. M. Sellers ¾ M
100 Grms G 21
G 51

E P Bland J. L Harvey
Ledge A
N:1 rea quartz
100 Grms Gold 4.5 Au

2 Same
100 G Go 1.75

No 3 White Quartz
100 — — Co 1.3 m

4 Quartz —
100 Co 1.0 m

5 " Co 1.2
100

6 three pieces Quartz
100 Co 1.0